

In re Patent Application of:

VIGIL

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In the Specification:

Please replace the paragraph beginning at page 4, line 11, with the following rewritten paragraph:

However, the ATSC standard, in its present form, is deficient in its susceptibility to multipath propagation impairment. In side-by-side comparisons, ATSC reception, i.e., the new digital system, is often inferior to NTSC reception, i.e., the conventional analog system. Additionally, ATSC mobile reception suffers substantially more degradation due to multipath propagation impairment than NTSC mobile reception. Signal strength and signal-to-noise (SNR) ratios are typically not ~~at~~ an issue, as unanticipated inferior reception manifests itself at high levels of received signal power and at high receiver SNR ratios. This fact, coupled with spectral analysis of received ATSC DTV signals, points directly to multipath propagation impairment as the cause of the inferior reception.

Please replace the paragraph beginning at page 11, line 27, with the following rewritten paragraph:

Referring initially to FIGS. 1-10, a digital transmitter and a digital receiver of the prior art will be discussed, including the impact of multipath propagation on a digitally modulated signal. A simplified block diagram of a digital transmitter **10** including a continuous-time modulator **12** and a channel modeler **14** is illustrated in FIG. 1.